

Associate Professor

Qualification : M.Sc., Ph.D.

Area of Interest : Approximation theory, Numerical Methods, Complex Analysis.

Address for correspondence :

Dr. P.N.Agarwal
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Date of Birth : 1.7.1954

Marital Status : Married

Academic Qualifications :

High School 1969 U.P.Board Ist div. Distraction Maths
Intermediate 1971 -do- Ist Div. -do-
B.Sc. 1973 Agra University Ist Div. -do-
M.Sc. 1975 Kanpur University -
Ph.D. 1980 IIT, Kanpur Ist Div. -

Teaching Professional Research Appointments

I worked as J.R.A.&S.R.A. in mathematics Deptt. At IIT, Kanpur during 1979-80. I also worked there as a research associate in chemistry deptt. For some time before joining as a lecturer in math. Deptt. At roorkee university in April, 81. In sept. 95 I became a Reader in the Deptt. I was redesignated as Asstt. Prof. In FCS in June, 96. In April 98 I was appointed as a associate professor in matematics. I Worked as a Senior Lecturer at Moi University, Kenya from Dec. 91-sept.94 on Leave from UOR.

Research Projects :

I have completed eight research proposal awarded by DRIL/UGC so far. Currently I have been working on a UGC mionor project entitled "Global approximation by Certaim Positive Linear Approximation Methods".

No. of Ph.D. Guided : I have guided one student and one is going to submit in a couple of days.

No. of M.Phil Dissertations : Eight

No of M.Ec. Projects Guided : one

Recent Research Publications :

In last five years I have published sixteen research papers in international journals of repute/conferences.

Specialist Course Conducted :

I delivered lectures in the continuing education department, UOR from Aug.7-26, 95 on a "Refresher Course on Functional analysis and its applications",

Conferences Attended

: I have attended & presented research/papers at the Indian Science Congress and conferences of Indian Mathematics Society. I also presented a research paper at Kuwait University in Feb., 1985.

List of Publications Since 1995

1. P.N.Agarwal and Vijay Gupta, "Inverse theorem for linear combination of modified Bernstein polynomials, J.Pure and Appl. Math. Sci. Vol. XII, No. 1-2 (1995), 29-38.
2. P.N.Agarwal and T.A.K.Sinha, "A saturation theorem for a combination of modified Lupas operations in L-spaces", Bull. Inst. Math Academia Sinica, Vol. 24, No.2 (1996).
3. P. N. Agrawal, Simultaneous approximation by Michelli combination of Phillips operators, Proc. Conf. On math. And its Appl. In Engg. And Industry, Narosa Publishing House (1997), 569-577.
4. P.N. Agrawal and T. A. K. sinha, Bernstein-Baskakov-Kantorovitch operator, Encyclopaedia of mathematics. Kluwer Academic Publishers, Suppl. Vol.1 (1997), 109-110.
5. P.N. Agrawal, Baskakov operators, encyclopaedia of mathematics, Kluwer Academic Publishers, suppl. Vol.1 (1997), 87.
6. P.N. Agrawal, Inverse theorem in simultaneous approximation by Michelli combination of Bernstein polynomials, Demonstration Math., vol. 31, No.1 (1998), 55-62.
7. P.N. Agrawal and K.J.thamer, Approximation of unbounded functions by a new sequence of linear positive operators J. math . Anal. Appl. 225(2) (1998), 660-672.
8. Vijay gupta and P.N. Agrawal, Inverse theorem in simultaneous approximation by szasz-Durrmeyer operators, J. Ind. Math. Sc., Vol. 63, No. 1-4 (1997), 99-113.

9. P.N. Agrawal and K J. thamer, Linear combinations of szasz -Baskakov type operators, *Demonstration Math.*, Vol.32, No.3, (1999), 575-580.
10. P.N.Agarwal and H.s.Kasana, Approximation by linear combination of szasz-Mirakina operators, *colloq. Math.*, vol.80, No. (1999), 123-130.
11. P.N. Agarwal and K.J. thamer, A new sequence of linear positive operators for higher order L_p -approximation, *revista de la UMA*, Argentina (accepted for publication).
12. P.N. Agrawal and kareem J.thamer, Inverse theorem for a new sequence of linear positive operators, *J. Ind. Math Soc.* (accepted for publication).
13. P.N. Agrawal and kareem J. Thamer, Saturation theorem for a new sequence of linear positive operators, *Ganita* 51(2000), 75-84.
14. P.N. Agrwal and kareem J. Thamer, Degree of approximation by a new sequence of linear operators, *Kyungpool math. J.* 40(2) (2000).
15. P. N. Agrawal and kareem J. thamer, Inverse theorme for a new sequence of linear positive operators in L_p spaces, *Revista de la U.M.A.* (accepted for publication).
16. VijayGupta, Prabhakar gupta and P.N. Agrawal, Saturation theorem in simultaneous approximationby szasz- durrmeyer operators, *J. Ind. Math. Sce.* (accepted for publication).